Nuclear reaction rate for $2^{12}C \leftarrow {}^{24}Mg + \gamma$ 10^{18} $\rho = 1 \text{ g/cm}$ $\rho = 10^7 \text{ g/cm}$ 10^{12} 10^{6} 10^{0} 10^{-6} 10^{-12} 10^{-18} 10^{-24}

Reaction rate [mole faction / s]

10⁻³⁰

 10^{-1}

Scaled temperature T_9 [K/10⁹]

10⁰

 10^1